



US Army Corps
of Engineers®

HEADQUARTERS

ENGINEERING & CONSTRUCTION NEWS

VOLUME II NUMBER 7

APRIL 2000

APRIL'S THEME:

Livable Communities

DWIGHT'S NOTES

This month's theme is Livable Communities. While there is an official Livable Communities initiative, all of us have at one time or another expressed concern about the changing conditions in our hometowns. This might have occurred when we remembered our senior year in high school or special hometown events from our childhood. The Livable Communities initiative encourages us to slow down and consider ways that the local community can improve. Economic development for many rural communities keeps the kids at home; however, it often comes with a price that the individuals are unwilling to accept. Livable Communities encourages the community to look at protecting historical districts, preserving farm lands and parks, and managing traffic, when considering future development. One of the ways that the Federal Government can help communities is by aligning federal actions to support community smart growth efforts. That is where the Corps of Engineers expertise in project planning, project engineering, project construction, and project management fits into the Livable Communities initiative. The Corps has several authorities in our Civil Works program to leverage federal funds to help communities prosper. The Administration and the Congress are considering expanding these authorities. We need to embrace these initiatives and build competencies and tools to perform effectively. Let us also not forget that our nation's soldiers, sailors, airmen and marines need livable communities for them to sustain a ready posture for the defense of our country. Please apply what you learn from the Livable Communities initiative across the board to all our mission areas. And keep in mind that as you advertise the Corps authorities and competencies place it in the perspective of our partnership with the private sector, for design and construction firms are the true doers for many aspects of our programs. I encourage each member of the Engineering and Construction family to take time to view the Livable Communities web site at <http://www.livablecommunities.gov>. Then consider how the Corps can assist communities and installations in this effort. The assistance might be as simple as becoming involved in your hometowns planning as a private citizen.

I'm happy for the newest member of the Corps Senior Executive Service, Mr. Mohan Singh. Mohan was selected as the Director of Engineering and Technical Services for the North Atlantic Division. He faced some very stiff competition from some of the best people in the Corps. Mohan has been instrumental reshaping headquarters E&C. He has contributed immeasurably in the strategic planning and workforce development arenas as well. I will miss his counsel and his friendship. NAD is lucky to have him on their team. E&C is holding a farewell luncheon for Mohan on Friday, 12 May. Additional information on the luncheon is given in the Update section of this issue.

Also, leaving Washington for new duties in the field is Al Branch from our Geotechnical and Materials Branch. Al was selected by the District Commander to become the Chief, Engineering and

Construction Division, Huntington District. At Huntington, Al will be overseeing the design and construction of new locks on our inland waterways and will serve as the Dam Safety Officer for the Huntington District. The position also brings with it the challenge of working with a multi-district team in the design and construction of a replacement lock for the Soo Locks.

Finally, on 3 May, Dick DiBuono will retire from Federal government service after a distinguished career of 33 years. Dick's last 13 years were spent here in HQUSACE as a Senior Hydraulic Engineer in the Hydraulics and Hydrology Branch. Highlights of his career include exemplary performance as Secretary to the U.S. Section of the Columbia River Treaty Permanent Engineering Board and serving as the USACE representative to the Interagency Floodplain Management Task Force which produced the Galloway Report following the 1993 floods in the upper Mississippi River Basin. Dick helped me on International Joint Commission activities for the Great Lakes during my previous assignment at the DETS at LRD. Dick was always there to answer questions from the field and to provide a helping hand on any task no matter how difficult. I'm sure all of you join with us in wishing Dick a happy and healthy retirement. He's earned it! A luncheon for Dick is planned for 3 May.

As you can see change is the name of the game here. By next issue I should be able to share with you some more information regarding the newly restructured E&C. In the meantime, please continue to rely on your tried and true relationships with the currently aligned E&C people, who will serve in their present capacities (those not promoted or retiring, that is) until mid-summer.

(Editors' note: If you want to share your thoughts with our readers regarding Dwight's Notes send an email to the E&C News editor (charles.pearre@usace.army.mil). A synopsis of your comments will be published in the next issue.)

ARTICLES

LIVABLE COMMUNITIES

[Livable Communities Initiative](#)

[Sharing Information on Livable Communities](#)

[Project IMPACT](#)

[American Institute of Architects National Convention and Exposition](#)

DISTRICT OF THE MONTH

[Japan District](#)

REORGANIZATION NEWS

[Engineering and Construction Reorganization Continues](#)

UPDATE

[AGC Recognizes Contractors for Outstanding Teamwork with 'Marvin M. Black Excellence in Partnering' Awards](#)

[Western Region Restoration of Abandoned Mine Sites Program](#)

[Mohan Takes the Big Apple by Storm](#)

DAM SAFETY

[Strong Motion Instrumentation Program](#)

[USCOLD Annual Meeting](#)

[National Dam Safety Data Summit](#)

INFORMATION

[Northeast Training Workshop Steam Restoration: Natural Channel Design](#)

[Kamatics Self Lubricating Bearings](#)

[Watershed Management Seminar](#)

[Outstanding Career Opportunity](#)

[Engineering Appendix to Decision Documents](#)

ARCHITECT'S FORUM

[Public Architects Training Workshop](#)

TRAINING

[Open PROSPECT Courses](#)

[Facilities Engineering Corrosion Control Course](#)

EDITORS' NOTES

THIS PUBLICATION WILL BE ISSUED ON A MONTHLY BASIS AND DISTRIBUTED BY E-MAIL AND POSTED ON THE INTERNET AT [HTTP://WWW.HQ.USACE.ARMY.MIL/CEMP/E/CEMP-E](http://www.hq.usace.army.mil/CEMP/E/CEMP-E) AND [HTTP://WWW.USACE.ARMY.MIL/INET/FUNCTIONS/CW/CECWE/NOTES](http://www.usace.army.mil/inet/functions/cw/cecwe/notes). IF YOU WOULD LIKE TO CONTRIBUTE ARTICLES OR HAVE SUGGESTIONS FOR FUTURE ARTICLES, PLEASE CONTACT CHARLES PEARRE, CECW-EP, 202-761-4531.

Livable Communities

LIVABLE COMMUNITIES INITIATIVE

In June 1999, the Clinton-Gore administration issued a report entitled *Building Livable Communities*. The report forms the basis for the Livable Communities initiative. The full report can be accessed on the Internet at <http://www.livablecommunities.gov/blc.htm>. The following article is the Introduction section from that report.

Over the last six years, the policies of the Clinton-Gore Administration have helped produce the strongest economy in a generation. Unemployment and inflation are at their lowest levels in decades. Eighteen million new jobs have been created, and real wages are growing at their fastest rate in 25 years. After inheriting a record \$290 billion deficit in 1992, the Administration has delivered the first budget surplus in 30 years. At the same time, crime rates are falling, and more than 2.5 million Americans have moved from welfare to work. Across America, communities are thriving: employment is up, crime is down, and local budgets are in the black.

New challenges, however, lay ahead. Even as they welcome and benefit from this extraordinary economic resurgence, many communities – from our cities to suburbia to small rural towns -- worry that their prosperity and quality of life are threatened. They see more and more traffic congestion, and less and less open space. They see prime farmland paved over while usable land in the city sits idle. They are beginning to discern between different types of growth. And too often, it seems they find they are experiencing the kind known as “sprawl.”

The Administration has launched a new effort to help communities meet these challenges – the Livable Communities initiative. Its aim is to provide communities with tools, information, and resources they can use to enhance their quality of life, ensure their economic competitiveness, and build a stronger sense of community. The initiative, developed with leadership from Vice President Gore, represents a fundamental shift across the federal government. Building on the work of the Community Empowerment Board and the President’s Council on Sustainable Development, the Livable Communities initiative mobilizes resources from more than a dozen federal agencies to deliver to America’s communities the targeted assistance they need.

Our goal is to help build livable communities for the 21st century -- places where young and old can walk, bike, and play together; where historic neighborhoods are preserved, as well as farms, forests, and other green spaces; where parents spend less time in traffic and more time with their children, spouses, and neighbors; where older neighborhoods thrive once again, and all can share in our new

prosperity. Places with safe streets, good schools, and public and private spaces that help foster a spirit of community.

Federal policies can influence patterns of growth – often times, inadvertently -- and their possible contribution to sprawl is a matter of some debate. With the Livable Communities initiative, the Administration seeks to ensure that today the federal government is helping communities build the future they want. Overriding objectives of initiative are to broaden the choices available to communities and to help empower them to:

- ***Sustain prosperity and expand economic opportunity;***
- ***Enhance the quality of life, and;***
- ***Build a stronger sense of community.***

An array of programs available to communities right now, and new ones proposed in President Clinton's fiscal year 2000 budget, help meet these objectives by offering communities tools and resources they can use to ease traffic congestion, preserve farmland and other green spaces, or revitalize urban neighborhoods. Other programs can help improve air and water quality, support smart growth planning, clean up abandoned brownfields, engage the private sector, improve traffic safety, and promote collaboration among neighboring jurisdictions.

The Livable Communities initiative recognizes the importance of *investing in places*. Over the past six years, the Administration has provided communities with new economic, social, and environmental policy tools to revitalize their neighborhoods, improve their quality of life, and strengthen their local economies. From Empowerment Zones and American Heritage Rivers to the Brownfields Redevelopment Initiative and the Community Reinvestment Act, the Administration is promoting bottom-up, community-based solutions. The Livable Communities initiative is founded on the same premise. It observes these bedrock principles:

- ***Communities know best.*** Every community is different. Decisions about how they grow are best made by the communities themselves.
- ***The appropriate role of the Federal government is to inform and assist, not to direct.*** The Federal government can help expand and improve the choices available to communities by:
 - a) ***providing information, tools and resources*** to help communities anticipate and shape patterns of growth;
 - b) ***providing opportunities*** for communities to work together to meet the challenges and embrace the opportunities presented by growth;
 - c) ***aligning actions*** so that federal decision-making supports locally driven smart growth efforts.

The report identifies concrete steps the Administration is taking to help communities grow in ways that ensure a high quality of life and strong, sustainable economic growth. It includes: 1) a brief description of challenges faced by urban, suburban, rural, and tribal communities, and the innovative ways some are meeting them; 2) a summary of new proposals in the Administration's fiscal year 2000 budget to help communities meet these challenges, and 3) brief descriptions of federal resources currently available to help communities improve their livability. *More detailed information on available tools and resources, and how communities can put them to use, can be found on the Internet at <http://www.livablecommunities.gov>.*

The Livable Communities initiative is compatible with the Corps of Engineers Civil Works water resource mission and environmental restoration missions. It is also compatible with the work that Military Programs is doing on military installations to build sustainable installations. The districts should review the Livable Communities initiative and be prepared to offer planning assistance to local and state governments as they seek to implement this initiative.

POC: CHARLES PEARRE, CECW-EP, 202-761-4531

[Return to Index of Articles](#)

SHARING INFORMATION ON LIVABLE COMMUNITIES

In many of our communities, we can improve our quality of life, our economic competitiveness, and our sense of community by combating the negative effects of sprawl. In the 1998 election, voters passed more than 170 state and local ballot initiatives to address sprawl-related issues. The Clinton-Gore Administration's Livable Communities Initiative helps communities across America grow in ways that ensure a high quality of life and strong local economies.

The Clinton-Gore Livable Communities Initiative -- Economic prosperity is key to our Nation's future. Growing according to our values is critical to our quality of life. Livable communities embrace both values. In livable communities, young and old can walk, bike, and play together. Livable communities are places where we not only protect historic old neighborhoods, but where farms, green spaces, and forests add vigor, context and beauty to the newest of suburbs; places where we work competitively, but spend less time in traffic and more time with our children, spouses, and neighbors.

How do communities become more livable? -- Each community faces different challenges and will find its own solutions. Strategies to create more livable communities may include efforts to:

- Preserve green space,
- Secure safe streets,
- Strengthen local economies,
- Reduce traffic and air pollution,
- Provide transportation choices,
- Create community-centered schools,
- Foster citizen and private sector cooperation, and
- Promote collaboration among neighboring communities.

Who's in charge? -- The Clinton-Gore Administration's Livable Communities Initiative observes two bedrock principles:

Communities know best -- land use and infrastructure decisions are, and will continue to be made by local and state entities. Each community should grow according to its own values -- the appropriate role of the federal government is to help inform, not direct, patterns of future growth.

The federal government can help communities by:

- a. sharing information, tools and resources to help them understand and envision the future impacts of different growth strategies;
- b. providing incentives for communities to work together to address challenges and opportunities related to patterns of growth and development; and

-
- c. aligning federal actions to support community smart growth efforts.

How can the Livable Communities web site help? -- Vice President Gore Announced New Website and Resource Guide in a series of meeting during the summer of 1999. Tracking down relevant information and expertise can be complicated and time consuming. The Livable Communities web site coordinates and streamlines information on programs to help you improve the quality of life in your community. To help you locate the information you need more quickly, the programs are organized by topic -- strengthening local economies, preserving open space and farmland, creating community schools and civic places, etc. You'll be able to search and find information on grant programs, technical assistance, contact information for key individuals, and examples of how to use these programs to achieve your goals. The Livable Communities web site will be updated with additional programs on a regular basis.

Corps of Engineers Engineering and Construction elements should review the Livable Communities web site at <http://www.livablecommunities.gov> and propose links from the site to Corps District and Division homepages.

POC: CHARLES PEARRE, CECW-EP, 202-761-4531

[Return to Index of Articles](#)

PROJECT IMPACT: BUILDING DISASTER RESISTANT COMMUNITIES

In the past 10 years, the Federal Emergency Management Agency (FEMA) has spent \$25 billion to help people repair and rebuild their communities after natural disasters. And that is not the total cost. Insurance companies spent additional billions in claims payments; businesses lost revenues; employees lost jobs; other government agencies spent millions more. Worst of all, however, is the loss that can never be recovered: human life.

The increasing number and severity of natural disasters over the past decade demands that action be taken to reduce the threat that hurricanes, tornadoes, severe storms, floods and fires impose upon the nation's economy and the safety of its citizens. With Project Impact-Building Disaster Resistant Communities, FEMA is changing the way America deals with disasters. Project Impact helps communities protect themselves from the devastating effects of natural disasters by taking actions that dramatically reduce disruption and loss.

It worked for the Anheuser Busch brewery in earthquake-prone Northern California. In the early 1980s, the company invested \$15 million to protect its facilities from a quake. The retrofitting was put to a severe test in 1994 when a quake whose epicenter was only 12 miles from the brewery rumbled through the area. Anheuser Busch estimates it saved \$300 million in damages and lost production: Operations never stopped, and repair costs were minimal.

This nationwide initiative, Project Impact, operates on this common-sense damage-reduction approach, basing its work and planning on three simple principles: preventive actions must be decided at the local level; private sector participation is vital; and long-term efforts and investments in prevention measures are essential. FEMA partnered with seven pilot communities across the country and was encouraged by the benefits seen and the determined commitment that flourished at the local level. This has been a unique experiment: FEMA has offered expertise and technical assistance from the national and regional level and included other federal agencies and states in the equation. FEMA has used all the available mechanisms to get the latest technology and mitigation practices into the hands of the

local communities. Now, FEMA has nearly 200 Project Impact communities, as well as over 1,100 businesses that have joined on as Project Impact partners.

There is no doubt that Project Impact is a common sense approach for the way America deals with disasters. The incentive is clear: a disaster resistant community is able to bounce back from a natural disaster with far less loss of property and consequently much less cost for repairs. Moreover, the time lost from productive activity is minimized for both businesses and their employees. Indeed, FEMA estimates that for every dollar spent in damage prevention, two are saved in repairs.

For more information about how to be a Project Impact community, please call 1-202-646-4600 or for publications call 1-800-227-4731 or visit <http://www.fema.gov> on the Internet.

POC: CHARLES PEARRE, CECW-EP, 202-761-4531

[Return to Index of Articles](#)

AMERICAN INSTITUTE OF ARCHITECTS NATIONAL CONVENTION AND EXPOSITION

The American Institute of Architects National Convention and Exposition is scheduled in Philadelphia, Pennsylvania, during the period May 3-6, 2000. The 2000 AIA Convention Theme: New **Century - New Vision: Livable Communities for America's Future**.

Join other public sector architects from local, state, federal, and foreign governments to discuss issues and concerns of the business, practice and profession of public architecture. The convention is sponsored by The American Institute of Architects, Public Architects PIA, Federal Agency Liaison Group, and Government Affairs.

Public architecture represents billions of dollars spent on the built environment. A recent survey showed that more than one-third of the client base for architects was federal, state and local government projects, and more than one-third of firm project billings are from public-sector clients. Although operational differences exist at various government levels, there are many common and unifying issues, problems, and solutions to solving the architectural needs in the public sector. Some of these issues include project delivery, sustainability, security, commissioning, Internet collaboration in project management, and real estate asset management.

After the workshop, plan to attend the AIA 2000 National Convention and Exposition for more learning opportunities. Registration for the Public Architects Training Workshop includes a complimentary registration to the convention. Even more important, attending the workshop will keep you abreast of the latest ideas and developments in public architecture and will increase your effectiveness in managing the public trust.

For a detailed workshop agenda, as well as hotel and registration information visit the Web sites: <http://www.e-architect.com/pia/pubarch/>, and <http://www.aiaconvention2000.com/>.

For questions concerning registration, call Stan Bowman, Director, State and Local Affairs, (202) 626-7461 or email sbowman@aia.org.

The workshop registration fee of \$195.00 includes complimentary registration to the AIA National Convention and Exposition including continuing education tracking for over 160 seminars and 550 exhibitors which will focus on **Livable Communities for American's Future**.



POC: LAWRENCE DELANEY, CEMP-E, 202-761-1545

[Return to Index of Articles](#)

District of

THE JAPAN ENGINEER DISTRICT

AN OVERVIEW -- The Japan Engineer District (CEPOJ) is one of four districts in the US Army Corps of Engineers Pacific Ocean Division. The District employs a workforce of about 300 - half American and half Japanese. Its mission is threefold. First, as the Department of Defense's design and construction agent, CEPOJ executes the Japan Host Nation-Funded Construction program as well as the US MILCON program for all the US Armed Forces stationed within Japan. In addition to its DoD design and construction responsibilities, the District supports US Forces and agencies by providing installation support and environmental expertise to customers throughout Japan. The District's reimbursable program offers master planning, engineering, design, construction management, training and environmental support. This enables Army, Air Force, Navy and Marine Corps customers to maximize their shrinking resources. CEPOJ also responds to military contingencies and civil emergencies, especially within the Pacific Theater. CEPOJ executes this mission through the District Office, located at Camp Zama, Japan (about 35 miles southwest of Tokyo) and seven field offices located at various military installations throughout Japan.

HOST NATION-FUNDED CONSTRUCTION PROGRAM -- CEPOJ is unique and the district differs from its stateside sisters in two major respects. First, it does not have a "civil works" mission, i.e., congressionally funded projects and programs such as flood control, dredging, hydroelectric power and wetlands regulation. Second, through the Japan Facilities Improvement Program, the Government of Japan (GoJ) funds much of CEPOJ's engineering and construction. While Host Nation Construction programs also exist in Germany and Korea, the Japan Facilities Improvement Program, or JFIP, is by far the largest of all.

The GoJ uses JFIP, with an annual work placement of about \$800 million a year, as one of its means to share the burden of stationing US Forces in Japan. It is a purely voluntary initiative by the GoJ. The US Congress supports JFIP through an annual appropriation in the Army's MCA budget of about \$16-18 million in planning and design (P&D) funds. CEPOJ directly



applies these dollars to prepare the essential Criteria Packages and to oversee the design and construction stages - ensuring all US requirements and standards are met. During the entire process, Japanese funds don't change hands. The GoJ farms out design by discipline and construction by trade to separate Japanese Architect-Engineer firms and construction contractors.

Throughout this process, the Japan Engineer District provides its extensive expertise by identifying US support funding requirements, providing technical advice, and overseeing project design and construction.

Since the inception of JFIP in 1979, this robust program has grown as a vital part of Japan's Host Nation Support. Japan precludes the expansion of offensive capabilities; therefore, JFIP concentrates on the construction of quality of life facilities. However, the program does replace obsolete and deteriorating operational structures. JFIP does not fund the construction of purely religious facilities or "extravagant" MWR facilities (chapels, golf courses, bowling alleys, etc.).

The program has built both operational and quality of life facilities in direct support to all US Forces -- soldiers, sailors, Marines, airmen, DoD civilian employees and their families -- stationed in Japan. These facilities include: 10,021 family housing units; 20,950 rooms of enlisted & officer quarters; 117 headquarters & operations buildings; 31 medical & dental clinics; 61 schools & child care centers; 80 aircraft shelters & hangars; 130 warehouses; 110 maintenance shops; 170 million barrels of fuel storage tanks; and more.



US-FUNDED CONSTRUCTION PROGRAM -- In addition to the huge Host Nation Construction Program, CEPOJ also administers a US-Funded Construction Program with current annual placement of \$40-50 million. Customers for this program include all four services, other DoD agencies such as DODEA and DeCA, and the State Department. Though most of this work is reimbursable in nature (O&M, Environmental, Support for Others, etc.), we expect our MILCON program to pick up over the next few years with the construction of large fuel storage facilities at a number of outlying installations. These installations include Misawa Air Base, Yokota Air Base and Iwakuni Marine Air Station.

In addition to providing traditional design and constructions services, we recently acquired a new mission from one of our customers. DeCA was so pleased with our support in upgrading and modernizing most of the commissaries throughout Japan that it asked us to take over the maintenance requirements for these commissaries. We now have contracts in place to accomplish this new mission.

CHALLENGES -- Each day the Japan Engineer District tackles an assortment of challenges that no other Corps District faces.

The geographical area to which the CEPOJ provides its services stretches from the southern islands of Okinawa to the northern island of Hokkaido. The distance between these two points is comparable to that from Brownsville, Texas to Bangor, Maine. Besides the logistics of communicating with and coordinating the activities of CEPOJ's field offices, the climatic variations covered by these different areas pose many design challenges. We design for tropical, salt-laden climes in Okinawa as well as for harsh winter climes in northern Honshu and Hokkaido. In addition, designs have to structurally account for typhoons packing winds approaching 290 km per hour. Finally, since Japan is on the Pacific Rim of Fire, earthquakes are a common daily occurrence. Consequently, CEPOJ designs

incorporate structural requirements at the highest level. The Great Hanshin Earthquake that struck Kobe in 1995 and measured 7.2 on the Richter scale provided a grim reminder of this reality.

CEPOJ has a culturally diverse workforce, about half of, which are Japanese, nationals. CEPOJ professionals must communicate with Japanese Architect-Engineer firms, construction firms, and Government of Japan representatives. Both American and Japanese employees take the extra time to ensure all understand US requirements and that minimum US and DoD standards are met. Our design review engineers have to be proficient in the English and Japanese languages and must be familiar with both U.S. and Japanese Codes.

A major challenge for CEPOJ comes from its designation as the DoD design and construction agent for Host Nation construction projects for all of the services in Japan. While the GoJ provides facilities in support of US military forces, it insists that like-facilities be standard for all of the military services. CEPOJ is responsible for coordinating the often-times conflicting requirements of the various services and producing consensus designs for facilities like family housing high rises, mid-rises and townhouses plus child care centers and physical fitness centers. As a result, you'll find these like-facilities the same no matter whether you visit an Army, Navy, Marine or Air Force installation here.

A FIELD OFFICE PERSPECTIVE: OAO AND THE OKINAWA CONSTRUCTION

PROGRAM -- The Okinawa Area Office (OAO) coordinates all CEPOJ construction on the island of Okinawa (1,176 sq. km). Its customers encompass all four uniformed services and numerous government agencies. Customers include 30,000 active-duty military, and another 27,000 DoD civilians and US family members. Service members reside and train on 13 major bases of the 28 separate US installations in all on Okinawa. OAO's staff includes a construction resident office, a program and project management branch, and an engineering design branch.

In 1999, OAO completed 17 government of Japan funded projects under the JFIP program, another 9 US-funded projects, and worked extensively on design and criteria development for the growing SACO (Special Action Committee on Okinawa) construction program. The average annual construction placement on Okinawa is in excess of \$160 million. In addition to working with our US customers, the OAO staff coordinates closely with local GoJ officials during all phases of the host nation construction program.

JAPAN FACILITIES IMPROVEMENT PROGRAM ON OKINAWA

About 90% of the annual construction placement on Okinawa come from the Host Nation-funded Japan Facilities Improvement Program (JFIP). Projects range from mission related facilities, such as Maintenance Shops, Hangars, and HQ Administration Facilities, to quality of life facilities, such as Child Development Centers, Clubs, Billeting and MWR facilities. One showcase project recently completed is



the Medical/Dental Clinic on Kadena Air Base, valued at approximately \$66M. After more than six years of planning and design, construction for the Medical/Dental Clinic broke ground in June 1997 and was completed in July 1999. This four-story medical facility provides outpatient services to include a medical clinic, dental clinic, dental laboratory, pharmacy, and other medical services to support the military and civilian population on Okinawa. This clinic comprises 21,100 SM and 452

parking spaces.

SPECIAL ACTION COMMITTEE ON OKINAWA (SACO) -- In 1995, as a result of local public protests calling for the reduction of US forces in Okinawa, the U.S. and Japan formed a “Special Action Committee on Okinawa” (SACO) to study ways to “reduce the impact of the U.S. presence in Okinawa.” The committee’s report, released in 1996, covers four key topics: Land Return Initiatives; Adjust Training and Operational Procedures; Implement Noise Reduction Initiatives; and Improve SOFA (Status of Forces Agreement) Procedures. The majority of CEPOJ’s SACO workload comes from executing the “Land Return” and “Noise Reduction” Initiatives. When completed, the land return will encompass 21% of existing US bases on Okinawa.

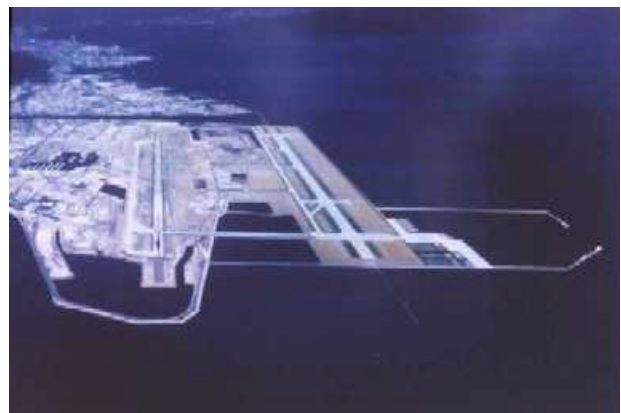
The first SACO project to be completed was the Sound Control Wall, at Kadena Air Base. It is a 5-meter high concrete and earth berm wall, spanning 2.3 kilometers along the northern perimeter of Kadena airfield, constructed to reduce sound transmission toward the city of Kadena. The project was completed in January 2000, at an estimated value of \$1.7M.

A major portion of the SACO land return initiatives involves the consolidation of military housing on Okinawa. This is a win-win situation for the US government and the Government of Japan (GoJ), because, in return for 291 acres of land by the US, the GoJ will construct 2,041 new housing units at Camps Foster and Lester. A SACO-funded housing master plan for Camp Foster is currently nearing completion, and the first phase of new construction involving two multi-family high rise apartment complexes is underway.

Another significant SACO project is the relocation of the US Naval Hospital, servicing all of the military community on Okinawa. As part of the SACO agreement to release most of Camp Lester, the Naval Hospital, with all of its support facilities, will be relocated to Camp Foster. The hospital provides inpatient and outpatient medical care for the U.S. service members, retirees, civilian employees and their families in Japan. The proposed hospital will be a 31,415 SM, 80-bed, 20-bassinets, multi-story facility. It will include an emergency medical department; surgery, physical and occupational therapy, mental health services; neuro-surgery; obstetrics-gynecology; pediatrics clinic; labor and delivery; radiology; pathology and laboratory services; pharmacy; food service; and outpatient specialty clinics. We will begin the preliminary design for this project in 2000.

SUMMARY -- Although the field office perspective featured OAO -- CEPOJ’s largest field office -- complex and challenging projects are being constructed on installations supported by each of our field offices.

For example, the Iwakuni Project Office currently oversees the relocation of the Marine Corps Air Station’s runway and airfield facilities, literally moving them one kilometer into the sea. A nearby mountain is providing the fill material being compacted to achieve the base required to construct the new runway and its support facilities.



The Resident Office at Yokota Air Base presently manages the construction of a large one-of-kind facility that will house a commissary, base exchange and other commercial activities. The facility is

comparable to stateside shopping malls. Our Yokosuka Resident Office recently completed a Fleet Support Activities Center. Shipboard sailors can avail themselves of this state-of-the-art facility, which is home to virtually every service and recreational outlet necessary to meet their in-port needs. These are just a few examples of the hundred or so projects under construction in CEPOJ at any given time. They are a source of pride for the CEPOJ “professionals dedicated to excellence.”

*POC'S: STUART HOUCK, CEPOJ-EC, 263-3373 (DSN) OR 011-81-3117-63-3373 (COMM)
AND DON BLEIBTREY, CEPOJ-EC-C, 263-4883 (DSN) OR 011-81-3117-63-4883 (COMM)*

[Return to Index of Articles](#)

Reorganization News

ENGINEERING AND CONSTRUCTION REORGANIZATION CONTINUES

Demolition is scheduled to start on the third floor of the Kingman Building on 1 May. The Baltimore District is working with the design-build contractor for the design and construction on new office space in the Kingman Building. The module furniture for the Division has been identified within the Pulaski Building and will be made available to the contractor upon completion of the Directorate of Real Estate move to the Government Accounting Office (GAO) building the first week of August 2000.

The transition team is continuing to work with the HQUSACE staff to insure that Engineering and Construction Division remains operational in the Pulaski Building after the GAO move until the move to the Kingman Building takes place. It is our desire that the reorganization occur without any disruption of business between Engineering and Construction and the field.

The two additional team leaders meetings have been held to identify all the functions that are currently being preformed and prioritize functions for the restructured division. As more information becomes available additional updates will be included in future issues of the E&C News.

POC: CHARLES PEARRE, CECW-EP, 202-761-4531

[Return to Index of Articles](#)

Update

AGC Recognizes Contractors for Outstanding Teamwork with 'Marvin M. Black Excellence in Partnering' Awards

The Associated General Contractors of America (AGC) proudly announce the winners of the 2000 Marvin M. Black Excellence in Partnering Awards. These awards, established in the name of AGC's 1991 President Marvin M. Black, recognize top-notch partnering skills in construction and offer incentive by promoting the importance of the partnering philosophy. The Liberty Mutual Group, a leading provider of insurance programs and services, is AGC's partner and sponsor of this prestigious program.

“The Partnering Awards honor those contractors who recognize the numerous advantages of teamwork and cooperation. AGC and Liberty Mutual are proud to present the Marvin M. Black Awards to nine commendable companies,” said AGC President Terry Deeny.

The awards were presented by Liberty Mutual Vice President and Manager of Commercial Marketing John Ryan, 1991 AGC President Marvin M. Black, and AGC President Terry Deeny at a special breakfast on March 10, 2000, during AGC's 81st Annual Convention in Seattle:

The program—Partnering: A Concept For Success—that champions these awards was developed to advocate a common sense approach to avoiding legal conflict and bringing positive and cooperative attitudes to construction projects. The awards identify excellence in partnering, celebrate successes, honor stakeholders and perpetuate the partnering process, as well as create a momentum to continue these lucrative practices.

One Corps of Engineers project was included in the awards with the presentation of a Marvin M. Black Excellence in Partnering Awards to General Construction Company of Seattle. General Construction was honored for the Bonneville Juvenile Bypass Outfall Structure in North Bonneville, Washington.

This \$13.7 million project was designed to improve the passage of migratory salmon through the dam, bypassing turbines and spillways to minimize fish kill. The project team designed a unique underwater forming system, developed the largest vibrating-style piledriver in the U.S., and utilized a 700-ton floating derrick crane to complete the job. By using the partnering process whereby the owner, contractor, designer and stakeholders agree to mutual goals and amicably resolve disputes; General Construction was able to complete the project ahead of schedule and under budget.

This AGC awards program recognizes excellent projects that display the benefits of partnering, a common sense approach to avoid disputes and litigation on construction projects through open communication and teamwork.

POC: JEFF KRULL, CEMP-EC, 202-761-1443

[Return to Index of Articles](#)

WESTERN REGION RESTORATION OF ABANDONED MINE SITES PROGRAM

In December 1998, South Pacific Division, Pacific Ocean Division, and Northwestern Division established a Restoration of Abandoned Mine Sites (RAMS), Western Region Program Plan to create a corporate approach that realigns the Corps to get closer to our customers by transforming a number of sub-groups into a virtual team. The One Door to the Corps approach will optimize our customer effectiveness, which will result in the Corps becoming the RAMS engineering team of choice for other Federal and State agencies, who have an estimated \$33 to \$72 billion workload in identification, remediation and restoration of Non-Coal Abandoned Mines in the West. The division/district primary points of contact are as follows: Mark Cowan CESPD/CESPK, Larry Anderson CENWD, Russell Takara CEPOD, Debbie Castens CESPL, Frank Krhoun CESPD, Ron White CENWW, Ron Toombs CEPOA, Ray Zimny CESPK, Greg Herring CENWO, Brian Jordan CESP, Lynn Daniels CENWS, Eric Bluhm CESP, and Patricia Obradovich CENWP.

WRDA 99 includes Section 560 which authorizes the Secretary of the Army to provide technical assistance to federal and nonfederal interests to address water quality problems caused by abandoned and inactive non-coal mine drainage and related issues. Appropriations are authorized at \$5,000,000.

HR 2753, introduced on 5 August 1999, would authorize the Secretary of the Army to assist Federal and nonfederal interests with technical, planning, design, remediation, construction and restoration assistance for environmental and water quality problems from abandoned non-coal mines. Appropriations would be authorized at \$45,000,000 per year, with \$10,000,000 per site. Currently, the

Western Region RAMS PROGRAM consists of approximately \$7,000,000 (CW) and \$155,000,000 (SFO).

The Western Region RAMS team periodically publishes a report with information about RAMS related events. For submission of RAMS-related topics for that report or requests for information (including be added to the mailing list) please contact RAMS Program Manager, Mark Cowan, at mcowan@spk.usace.army.mil.

POC: MARK COWAN, CESPK-PD, 916-557-6721

[Return to Index of Articles](#)

MOHAN TAKES THE BIG APPLE BY STORM

Mohan Singh, Chief, Design Policy Branch, Engineering and Construction Division, has been selected for the Senior Executive Service and will be moving to North Atlantic Division. The members of Engineering and Construction Division will honor Mohan at a luncheon on Friday, 12 May 2000, at Phillips Flagship Restaurant, 900 Water Street, S. W., Washington, DC. The cost of the luncheon is \$18.80 and reservations can be obtained by contacting Pat Bashandi at (202) 761-0425 by 1 May 2000. Individuals who are unable to be in Washington on 12 May can send congratuatory notes for Mohan to Pat by email at patricia.bashandi@usace.army.mil or by regular mail to HQUSACE, ATTN: CEMP-ET, Washington, DC 20314-1000.

POC: PAT BASHANDI, CEMP-ET, 202-761-0425

[Return to Index of Articles](#)

Dam Safety

STRONG MOTION INSTRUMENTATION PROGRAM

The strong motion instrument program was set up in the 1970's to obtain site-specific attenuation and ground motions for all our sites. It is hoped that this will reduce seismic remediation costs at these projects, but we need a large seismic event near the site before we have the needed information. The districts from their Operations and Maintenance budget have always provided the periodic maintenance of the instrumentation by personnel from the Engineering Research and Development Center (or their contractors).

The information from the program will be used in designing repairs to dams should damage occur due to a major earthquake. While the information has some research and development value, the primary purpose of the information is for the historical record of the individual dams. ER 1110-2-103 has always required that all dams in seismic risk zones 2, 3, and 4 be instrumented. If a district has instrumented dams in zone 1, the district can decide to discontinue maintenance at any time. Of course this requires some serious thought since a near MCE 5.0 event occurred in Ohio just 6 months after Louisville had shut down their strong motion instruments at a nearby dam. However, funding instrumentation in zone 1 is the District's prerogative.

The program charges are based on service twice yearly and the instrument type. In the case of Vicksburg District, the total cost is \$10,800 for Fiscal Year 2000, for thirteen instruments located at two dams. On the other end of the spectrum, Sacramento District, having 121 instruments, will pay a bill of about \$99,000. The total budget for the program in Fiscal Year 2000 is approximately \$440,000 spread over 22 Districts, thus averaging about \$20,000 per District. Costs are based on the number and

type of instruments within a District's jurisdiction, and may or may not be significant in relationship to the District overall Operations and Maintenance budget.

Distance from Vicksburg is not a factor because maintenance is charged uniformly per instrument. That's the only way the program can work fairly. Several times each year technicians perform maintenance and new installations as they journey along an established route. The routes and timing are constructed such that all instruments are inspected twice yearly. In order to be cost effective, several districts are serviced on each trip.

POC: MIKE KLOSTERMAN, CECW-EG, 202-761-8682

[Return to Index of Articles](#)

USCOLD ANNUAL MEETING

This year's annual meeting of the U.S. Committee on Large Dams will be held in Seattle, Washington, from 11 – 14 July 2000. The theme of the two-day lecture program is Operation, Maintenance, Repair and Rehabilitation of Dams. The opening session will include an update on the National Dam Safety Program by Don Bathurst of FEMA and Current Activities of The World Bank by Alessandro Palmieri. The technical presentations represent the full range of electrical, mechanical, structural, materials and civil engineering activities associated with O&M. Technical tours (Seattle City Lights and Corps projects) focusing on O&M will follow the lecture. Registration forms will be available in early May – contact Larry Stephens of USCOLD (303) 628-5430.

POC: ART WALZ, CECW-EG, 202-761-8681

[Return to Index of Articles](#)

NATIONAL DAM SAFETY DATA SUMMIT

A National Dam Safety Data Summit meeting was held at HQUSACE on 22 March 2000. The meeting had almost 20 participants from the Association of Dam Safety Officials (ASDSO), USACE, FEMA, and the National Performance of Dams Program (NPDP). The purpose was to discuss the possible integration of national dam safety data resources. The three primary national dam safety information activities are the National Inventory of Dams (NID), the NPDP, and the Dam Safety Program Performance Measures (DSPPM).

First, some background on these three activities.

- The NID is the element of the National Dam Safety Program currently authorized for the USACE. It is our continuing follow-up to the national dam inspection program we accomplished in the late 1970s and early 1980s. In 1999, we completed our latest update of the NID, through the Topographic Engineering Center (TEC). This update is web-based and interactive, and has a GIS interface. Bob Bank is the Chairman of the ICODS NID Subcommittee.
- The NPDP is the research, analysis and data archival arm of the National Dam Safety Program. It documents historical data on dams, and events of engineering interest at dams. The NPDP is web-based, and housed at Stanford University. Marty McCann is the founder and Director.
- The DSPPM were created by the USACE as a quantitative way to assess the quality of and trends in a dam safety program. It has subsequently been adopted by ICODS, and ICODS has provided funding for development of a computer program to collect and assess the data. DSPPM data will be used by FEMA to evaluate eligibility for each state to receive dam safety assistance funds, and

to collect data on Federal programs for the Biennial Report to Congress on Dam Safety. Tommy Schmidt of Southwestern Division was the creator of, and is the driving force behind, the DSPPM.

At the meeting, we generally agreed to common strategic goals, to work together to minimize overlap in data collection, and to develop an overall data framework. Much of the required data is used by all three programs, and some duplication of data requests potentially existed. The three activities will remain independent, but we set a goal for data sharing and interconnectivity. The "Microsoft Office" concept of common feel and appearance, linkage between the programs, and use of a toolbar was initially discussed. The State representatives were enthusiastic about the opportunity to reduce effort to collect the required data, and the prospect of improved data availability. The NPDP was pleased that we would work to eliminate duplicative questions from the DSPPM that they felt would reduce participants willingness to supply NPDP data. A task group of one representative each from FEMA, ASDSO, NPDP, NID and DSPPM was established, and they will initially meet in D.C. in mid-April to start to work out details including interfaces, data architecture, and interconnectivity requirements.

Although a great deal of work remains, this is a first giant step towards the establishment of an integrated "e-dams" environment which will benefit all members of the dam safety community, and enhance the state of dam safety in the nation.

POC: BOB BANK, CECW-EP, 202-761-1660

[Return to Index of Articles](#)

Information

NORTHEAST TRAINING WORKSHOP STREAM RESTORATION: NATURAL CHANNEL DESIGN

The Northeast Training Workshop Stream Restoration: Natural Channel Design will be held May 23-25, 2000 in Fairlee, Vermont. This workshop will focus upon natural channel design to help solve and prevent flooding, erosion, water quality, and habitat loss problems. This workshop is being cooperatively conducted and sponsored by the Association of State Wetland Managers, the Vermont Department of Environmental Conservation, the U.S. Fish and Wildlife Service, the U.S. Environmental Protection Agency, and the USDA Natural Resources Conservation Service.

The workshop will provide training and will help develop a network of northeast agencies, groups and organizations interested in natural channel design. You can obtain additional information on the workshop by contacting The Association of State Wetland Managers (ASWM), P.O. Box 269, Berne, NY 12023-9746; 518-872-1804; Fax: 518-872-2171; E-mail: aswm@aswm.org; Web site: <http://www.aswm.org>. A more in depth article about this workshop was included in the March issue of the Engineering and Construction News. A copy of that issue is available at <http://www.usace.army.mil/inet/functions/cw/cecwe/notes/mar00.pdf>.

POC: BEVERLEY GETZEN, CECW-PD, 202-761-1980

[Return to Index of Articles](#)

KAMATICS SELF LUBRICATING BEARINGS

At the ICODS Technical Seminar in February 2000, several individuals asked about self-lubricating maintenance free bearings for tainter gates.

The question was asked as to the availability and applicability of these bearings and several respondents named some brand names. One of the brand names mentioned was 'Kamatics Corporation'. If anyone would like more information about the Kamatics Self Lubricating Bearings they can contact the following Wesley C. Hains, District Manager, Sales Engineering, KAMAN, 19452 Barrett Hill Circle, Santa Ana, CA 92705, telephone (714) 731-6581 or Rich Lamb, Kamatics Corp., Texas, telephone (817) 371-2149.

POC: ROBERT E. HARDING, CESPA-OD-O, 505-342-3195

[Return to Index of Articles](#)

WATERSHED MANAGEMENT SEMINAR

Watershed Management in the 21st Century - A Team Approach, is the theme for the Corps of Engineers' 13th Seminar on Water Quality and Hydraulics & Hydrology Conference to be held 29-31 August 2000 in St. Paul, Minnesota. The combined seminar/conference will include a variety of technical presentations (oral and poster) on hydrology, hydraulics, water control, water quality management and dredged material management for inland, estuarine, and coastal water resource systems. Presentations may include, but are not limited to the following specific topics:

Computer model applications	Hydrologic engineering
Data collection and management techniques	Natural resource management
Dredged material management	Sedimentation
GIS applications	TMDL's
Groundwater	Water allocation/diversion
Habitat restoration	Water quality management and enhancement
Hydraulic design	Watershed assessment and management

The deadline for submitting abstracts is 31 May 2000. Abstracts must not exceed one-half page and must include title, authors, organizations, addresses, and telephone numbers. Please specify whether for oral or poster presentation and send abstracts in Microsoft Word 97 format via e-mail to: Mike Knoff, michael.r.knoff@usace.army.mil or Steve Ashby, steven.l.ashby@usace.army.mil.

For additional information, contact our website at <http://www.wes.army.mil/el/wq/water00/>.

**POC'S: MIKE KNOFF, CEMVP-ED-H, 651- 290-5600,
STEVE ASHBY, CEERD-ES-P, T, 601-634-2387,
AND BOB OCCHIPINTI, CEMVD-ET-EW, 601-634-5915**

[Return to Index of Articles](#)

OUTSTANDING CAREER OPPORTUNITY

Pacific Ocean Division's Japan Engineer District (CEPOJ) offers unique career and cultural opportunities for a variety of personnel in several district and construction field offices. There are currently several positions either open or about to open for GS-11 construction representatives, GS-11 or GS-12 project engineers, GS-12 specifications engineers, GS-9 CADD technician, and GS-13 QA Section Chief. The positions are located in the Misawa Resident Office, the Yokota Resident Office, the Kanagawa Resident Office, the Iwakuni Project Office, Okinawa Area Office and the Japan District Office. The Resident and Project Offices are under the direct supervision of Engineering and Construction (E&C) Division located in the District Office at Camp Zama.

Quality of life throughout Japan and Okinawa is excellent and includes free on-base housing and utilities or adequate Living Quarters Allowance for those living off post. Employees receive a tax-free

Cost of Living Allowance (COLA) and enjoy full U.S. Postal Service, on base medical and dental service, base exchange and commissary privileges, gymnasiums, U.S. schools from K-12, churches, and virtually all of the comforts of home. The Installations have a variety of places for dining out, from fast food to full service dining and there are many reasonably priced restaurants off-base. Japan and Okinawa have very low crime rates as compared with the United States. Personal safety is one of the great benefits for employees and their family members. For golfers, the Installations have excellent golf courses with annual memberships generally about \$200 and members do not pay a greens fee. It's nice having a golf course right on the Installation where you live. For spouses, there's an excellent opportunity to earn very good money teaching conversational English to Japanese students. No degree is required and you can do it right in your home. All in all, there are a great many benefits to a tour of duty in CEPOJ.

Hopefully the brief picture of Japan Engineer District in the District of the Month article has encouraged you to find out more about this unique opportunity. Our CPOC personnel office is located in Anchorage, Alaska and uses the Resumix system for taking applications. Job announcements are posted in the Army Personnel websites. If you are one of the technically competent, self-starting, team oriented individuals, we're seeking and have questions or concerns you'd like answered, please contact Mr. Don Bleibtrey, Chief, Construction Branch, or Mr. Stuart Houck, Chief, Engineering and Construction Division, CEPOJ, via fax at 011-81-3117-63-3868, or by Corps of Engineers email, or by phone. Look us up on the USACE email address book or use our email addresses donald.j.bleibtrey@poj.usace.army.mil or stuart.d.houck@poj.usace.army.mil.

*POC'S: DON BLEIBTREY, CEPOJ--EC-C, 011-81-3117-63-3868
AND STUART HOUCK, CEPOJ-EC, 011-81-3117-63-3373*

[Return to Index of Articles](#)

ENGINEERING APPENDIX TO DECISION DOCUMENTS

In a recent memorandum, MG Van Winkle, Deputy Commander for Civil Works, notified the Major Subordinate Commands (MSC), that submission of the Engineering Appendix to decision documents to HQUSACE for policy review was no longer required. The purpose of this change is to reduce printing costs for the decision documents.

An Engineering Appendix is an essential part of decision documents for Civil Works projects. As such it should be fully developed to the extent appropriate to define the scope of the project and develop the baseline cost estimate. The Engineering Appendix shall, also, be included and published with the official copy of the decision document and with copies of the decision document furnished to support Project Cooperation Agreements.

Since the technical and policy review of the Engineering Appendix has been delegated to the Major Subordinate Commands (MSC's) and the District Commands, the Engineering Appendix is no longer required to accompany decision documents submitted for policy review at the Washington level. An electronic copy of the appendix should be available at the district during the review period in case portions of the Engineering Appendix are required to explain information in the basic report. The policy review of the Engineering Appendix should occur along with the independent technical review.

The MSC's should include a spot check of Engineering Appendices in their quality management audit procedures.

POC: CHARLIE BALDI, CECW-EP, 202-761-8894

[Return to Index of Articles](#)

Architect's Forum

PUBLIC ARCHITECTS TRAINING WORKSHOP

Additional in on this workshop is included in the Livable Communities section in the American Institute of Architects National Convention and Exposition articles.

POC: LAWRENCE P. DELANEY, AIA, CEMP-E, 202-761-1545

[Return to Index of Articles](#)

Training

OPEN PROSPECT COURSES

Below is a list of those PROSPECT courses for which spaces are still available. If interested in enrolling in any the courses, please have a Request for Training form (DD Form 1556) completed at your district and forwarded to the Registrar's Office in Huntsville. Points of contact are Jackie Moore or Sherry Whitaker at (256) 895-7421 or 7425 (Fax: (256) 895-7469). The Point of contact for further information is John Buckley at (256) 895-7431 (Fax: (256) 895-7497). E-mail:

John.P.Buckley@HND01.usace.army.

Ctl No	Course Title	City	State	Start Date	End Date	Tuition
394	ADV STREAMBANK PROT	VICKSBURG	MS	10-Apr-00	14-Apr-00	\$1,990
178	BASIC HEC-HMS	DAVIS	CA	8-May-00	12-May-00	\$1,790
86	CIVIL WORKS ORIENT	DALLAS	TX	24-Apr-00	28-Apr-00	\$1,340
86	CIVIL WORKS ORIENT	NEW ORLEANS	LA	15-May-00	19-May-00	\$1,340
86	CIVIL WORKS ORIENT	CHICAGO	IL	19-Jun-00	23-Jun-00	\$1,340
257	CONCRETE MAINT & REP	VICKSBURG	MS	10-Apr-00	14-Apr-00	\$1,240
257	CONCRETE MAINT & REP	VICKSBURG	MS	15-May-00	19-May-00	\$1,240
28	DAM SAFETY	VICKSBURG	MS	8-May-00	11-May-00	\$1,570
163	HIST STRUCT SKILL CRAFTS	WASHINGTON	DC	23-Apr-00	28-Apr-00	\$1,610
246	HVAC OPERATION & MAINT	CHAMPAIGN	IL	18-Sep-00	22-Sep-00	\$1,000
315	PCA FINANCE PLAN DEV	SEATTLE	WA	15-Aug-00	18-Aug-00	\$1,650
98	RESERVOIR ANALYSIS	DAVIS	CA	19-Jun-00	23-Jun-00	\$1,840
161	RIVER & WETLANDS	DAVIS	CA	11-Sep-00	15-Sep-00	\$1,870
247	SEISMIC STABILITY	VICKSBURG	MS	12-Jun-00	16-Jun-00	\$1,410
164	WATER & WATERSHED	DAVIS	CA	17-Jul-00	21-Jul-00	\$1,700

POC: JOHN BUCKLEY, CEHR-P-TO, 256-895-7431

[Return to Index of Articles](#)

FACILITIES ENGINEERING CORROSION CONTROL COURSE

Effective corrosion control is an Army-wide objective in protecting our infrastructure capital investments. The course is designed to benefit installation Directorate of Public Works (DPW) and District personnel involved in design and/or operation and maintenance (O&M), including quality assurance (QA) of O&M contracts. The course focuses on protecting heating, ventilation and air conditioning (HVAC) systems, petroleum, oils and lubricants (POL) systems, utility distribution systems, elevated water tanks, and other systems subject to corrosion by soil or water.

The course provides facilities corrosion control training. All material is practical in nature and has direct applicability to facility design and operations. Topics include:

- fundamentals of corrosion, coatings, and cathodic protection
- design of cathodic protection systems
- selection of corrosion resistant materials
- water treatment for steam hot water and cooling systems
- operation and maintenance of cathodic protection systems

The course will include classroom demonstrations and a field exercise to give students hands-on experience in taking the measurements needed to evaluate the effectiveness of corrosion control measures, and demonstrate compliance with underground storage tank (UST) and natural gas regulations.

The tuition-free course is scheduled for 8 - 12 May, at the U.S. Army Construction Engineering Research Laboratories (CERL) facilities in Champaign, IL. For further information or to register, contact Mr. Vince Hock (CERL), (800) USA-CERL, ext. 6753, email: v-hock@cecer.army.mil

POC: NELSON LABBÉ, CEMP-EC, 202-761-1494

[Return to Index of Articles](#)

Open Discussion and Comments

No Discussion and Comment items were received for this month's issue.

(Editors' note: If you want to share your thoughts with our readers regarding a subject of general interest, send an email to the E&C News editor at charles.pearre@usace.army.mil. A synopsis of your comments will be published next time).

Editors' Notes

SUBSCRIBE TO ECNEWS

Engineering and Construction News uses a subscription list on the Corps List Server. The name of the list is LS-ECNEWS. The purpose of the list is to distribute the Civil Works and Military Programs Engineering and Construction community newsletter, *Engineering and Construction News*.

You can subscribe or unsubscribe to LS-ECNEWS by sending an e-mail message to majordomo@usace.army.mil with no subject line and only a single line of text in the message body. That single line of text should have the following format: **subscribe ls-ecnews** or **unsubscribe ls-ecnews**. The List Server system will automatically pick up your originating e-mail address from the message and add it to or delete it from the distribution list.

If you have any questions about the list server, see the List Server E-Mail Delivery System web page at <http://eml01.usace.army.mil/other/listserv.html>. Or you may contact either Denise Massihi or Charles Pearre if you have additional questions on the subscription list.

POC: CHARLES PEARRE, CECW-EP, 202-761-4531

[Return to Index of Articles](#)